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| <b>UTILITY<br/>PATENT APPLICATION<br/>TRANSMITTAL</b><br><small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small> | Attorney Docket No.                            | TUC920030098US1 | Total Pages | 53 |
|   | First Named Inventor or Application Identifier |                 |             |    |
|   | Jonathan D. Beard et al.                       |                 |             |    |
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| <b>APPLICATION ELEMENTS</b><br>See MPEP chapter 600 concerning utility patent application contents.  | <b>ADDRESS TO:</b> Assistant Commissioner for Patents<br>Box Patent Application<br>Washington, DC 20231  |
| 1. <input checked="" type="checkbox"/> Fee Transmittal Form<br>(Submit an original, and a duplicate for fee processing)  | 6. <input type="checkbox"/> Microfiche Computer Program (Appendix)   |
| 2. <input checked="" type="checkbox"/> Specification (Total Pages) <u>42</u><br>(Preferred arrangement set forth below) <ul style="list-style-type: none"><li>- Descriptive title of the Invention</li><li>- Cross References to Related Application</li><li>- Statement Regarding Fed sponsored R &amp; D</li><li>- Reference to Microfiche Appendix</li><li>- Background of the Invention</li><li>- Brief Summary of the Invention</li><li>- Brief Description of the Drawings (if filed)</li><li>- Detailed Description</li><li>- Claim(s)</li><li>- Abstract of the Disclosure</li></ul> | 7. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) <ul style="list-style-type: none"><li>a. <input type="checkbox"/> Computer Readable Copy</li><li>b. <input type="checkbox"/> Paper Copy (identical to computer copy)</li><li>c. <input type="checkbox"/> Statement verifying identity of above copies</li></ul> |
| 3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) (Total Pages) <u>8</u>  | <b>ACCOMPANYING APPLICATION PARTS</b>  |
| 4. Oath or Declaration (Total Pages) <u>3</u> <ul style="list-style-type: none"><li>a. <input checked="" type="checkbox"/> Newly executed (original or copy)</li><li>b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))<br/>(for continuation /divisional with Box 17 completed)<br/>[Note Box 5 below]</li><li>i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b><br/>Signed statement attached deleting inventor(s) named in prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</li></ul>   | 8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))   |
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**Assignee Residence:** Armonk, New York

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| <h2 style="margin: 0;">FEE TRANSMITTAL</h2> <p style="font-size: small; margin-top: 10px;">Note: Effective October 1, 2001.<br/>Patent fees are subject to annual revision.</p> |         | <b>Complete If Known</b> |                   |
|   |         | Application Number       | Not yet assigned  |
|   |         | Filing Date              | August 19, 2003   |
|   |         | First Named Inventor     | Jonathan D. Beard |
|   |         | Group Art Unit           |                   |
|   |         | Examiner Name            |                   |
| TOTAL AMOUNT OF PAYMENT   | \$ 1486 | Attorney Docket Number   | TUC920030072US1   |

| METHOD OF PAYMENT (check one)   | FEE CALCULATION (continued)   |                |              |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
|---|---|----------------|--------------|--|-----------------|-----------------|----------|----------|----------|----------|----------|------|------|------|--------------------|-------------------------------------|------|------|------|------|-------------------|--|------|------|------|------|------------------|---------------------------|------|------|------|------|--------------------|--|------|------|------|------|------------------------|--|---------------------|------|-------|------|-------|---|--|-------|----------------|----------|---------------------------|--|----|------|---------------------------|------|-----|---|---------------------------|------|-----|------|--------------|--|--------------|------|-----------------|----------|----------|---|----------|----------|------|------|------|--|------------------------|------|------|------|------|------------------|-----------------------------------|------|------|------|------|--|--------------------------|------|---------------------|------|-----|--------------------------|--|---------------|--|------|------|---|--|------|-----|------|----|----------------------------------|--|------|------|------|-----|------------------------------------|--|------|------|------|-----|-------------------|--|------|-----|------|-----|------------------|--|------|-----|------|-----|-----------------|--|------|-----|------|-----|-------------------------------|--|------|----|------|----|---|--|------|-----|------|-----|---|--|------|----|------|----|--|----|------|-----|------|-----|---|--|------|-----|------|-----|--|--|
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ADDITIONAL FEES</b></p> <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1051</td><td>130</td><td>2051</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>1052</td><td>50</td><td>2052</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td></td></tr> <tr><td>1053</td><td>130</td><td>1053</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>1812</td><td>2520</td><td>1812</td><td>2520</td><td>For filing a request for reexamination</td><td></td></tr> <tr><td>1804</td><td>920*</td><td>1804</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>1805</td><td>1840*</td><td>1805</td><td>1840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>1251</td><td>110</td><td>2251</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>1252</td><td>410</td><td>2252</td><td>205</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>1253</td><td>930</td><td>2253</td><td>465</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>1254</td><td>1450</td><td>2254</td><td>725</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>1255</td><td>1970</td><td>2255</td><td>985</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>1401</td><td>320</td><td>2401</td><td>160</td><td>Notice of Appeal</td><td></td></tr> <tr><td>1402</td><td>320</td><td>2402</td><td>160</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>1403</td><td>280</td><td>2403</td><td>140</td><td>Request for oral hearing</td><td></td></tr> <tr><td>1451</td><td>1510</td><td>1451</td><td>1510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>1452</td><td>110</td><td>2452</td><td>55</td><td>Petition to revive - intentional</td><td></td></tr> <tr><td>1453</td><td>1300</td><td>2453</td><td>650</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>1501</td><td>1300</td><td>2501</td><td>650</td><td>Utility issue fee</td><td></td></tr> <tr><td>1502</td><td>470</td><td>2502</td><td>235</td><td>Design issue fee</td><td></td></tr> <tr><td>1503</td><td>630</td><td>2503</td><td>315</td><td>Plant issue fee</td><td></td></tr> <tr><td>1460</td><td>130</td><td>1460</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>1807</td><td>50</td><td>1807</td><td>50</td><td>Petitions related to provisional applications</td><td></td></tr> <tr><td>1806</td><td>180</td><td>1806</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>8021</td><td>40</td><td>8021</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td>40</td></tr> <tr><td>1809</td><td>750</td><td>2809</td><td>375</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>1810</td><td>750</td><td>2810</td><td>375</td><td>For each additional invention to be examined (37 CFR 1.129(b))</td><td></td></tr> </tbody> </table> <p>Other fee (specify) _____</p> | Large Entity   |              | Small Entity   |                 | Fee Description | Fee Paid | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1051 | 130  | 2051 | 65                 | Surcharge - late filing fee or oath |      | 1052 | 50   | 2052 | 25                | Surcharge - late provisional filing fee or cover sheet |      | 1053 | 130  | 1053 | 130              | Non-English specification |      | 1812 | 2520 | 1812 | 2520               | For filing a request for reexamination |      | 1804 | 920* | 1804 | 920*                   | Requesting publication of SIR prior to Examiner action |                     | 1805 | 1840* | 1805 | 1840* | Requesting publication of SIR after Examiner action |  | 1251  | 110            | 2251     | 55                        | Extension for reply within first month |    | 1252 | 410                       | 2252 | 205 | Extension for reply within second month |                           | 1253 | 930 | 2253 | 465          | Extension for reply within third month |              | 1254 | 1450            | 2254     | 725      | Extension for reply within fourth month |          | 1255     | 1970 | 2255 | 985  | Extension for reply within fifth month |                        | 1401 | 320  | 2401 | 160  | Notice of Appeal |                                   | 1402 | 320  | 2402 | 160  | Filing a brief in support of an appeal |                          | 1403 | 280                 | 2403 | 140 | Request for oral hearing |  | 1451          | 1510   | 1451 | 1510 | Petition to institute a public use proceeding |  | 1452 | 110 | 2452 | 55 | Petition to revive - intentional |  | 1453 | 1300 | 2453 | 650 | Petition to revive - unintentional |  | 1501 | 1300 | 2501 | 650 | Utility issue fee |  | 1502 | 470 | 2502 | 235 | Design issue fee |  | 1503 | 630 | 2503 | 315 | Plant issue fee |  | 1460 | 130 | 1460 | 130 | Petitions to the Commissioner |  | 1807 | 50 | 1807 | 50 | Petitions related to provisional applications |  | 1806 | 180 | 1806 | 180 | Submission of Information Disclosure Stmt |  | 8021 | 40 | 8021 | 40 | Recording each patent assignment per property (times number of properties) | 40 | 1809 | 750 | 2809 | 375 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 1810 | 750 | 2810 | 375 | For each additional invention to be examined (37 CFR 1.129(b)) |  |
| Large Entity  |   | Small Entity   |              | Fee Description  | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| Fee Code  | Fee (\$)  | Fee Code       | Fee (\$)     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1051  | 130   | 2051           | 65           | Surcharge - late filing fee or oath  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
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| 1053  | 130   | 1053           | 130          | Non-English specification  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1812  | 2520  | 1812           | 2520         | For filing a request for reexamination                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1804  | 920*  | 1804           | 920*         | Requesting publication of SIR prior to Examiner action                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1805  | 1840*   | 1805           | 1840*        | Requesting publication of SIR after Examiner action                        |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1251  | 110   | 2251           | 55           | Extension for reply within first month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1252  | 410   | 2252           | 205          | Extension for reply within second month                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1253  | 930   | 2253           | 465          | Extension for reply within third month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1254  | 1450  | 2254           | 725          | Extension for reply within fourth month                                    |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1255  | 1970  | 2255           | 985          | Extension for reply within fifth month                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1401  | 320   | 2401           | 160          | Notice of Appeal   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1402  | 320   | 2402           | 160          | Filing a brief in support of an appeal                                     |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1403  | 280   | 2403           | 140          | Request for oral hearing   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1451  | 1510  | 1451           | 1510         | Petition to institute a public use proceeding                              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1452  | 110   | 2452           | 55           | Petition to revive - intentional   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1453  | 1300  | 2453           | 650          | Petition to revive - unintentional   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1501  | 1300  | 2501           | 650          | Utility issue fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1502  | 470   | 2502           | 235          | Design issue fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1503  | 630   | 2503           | 315          | Plant issue fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1460  | 130   | 1460           | 130          | Petitions to the Commissioner  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1807  | 50  | 1807           | 50           | Petitions related to provisional applications                              |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1806  | 180   | 1806           | 180          | Submission of Information Disclosure Stmt                                  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 8021  | 40  | 8021           | 40           | Recording each patent assignment per property (times number of properties) | 40              |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1809  | 750   | 2809           | 375          | Filing a submission after final rejection (37 CFR 1.129(a))                |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1810  | 750   | 2810           | 375          | For each additional invention to be examined (37 CFR 1.129(b))             |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| <p><b>FEE CALCULATION</b></p> <p><b>1. FILING FEE</b></p> <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1001</td><td>750</td><td>2001</td><td>375</td><td>Utility filing fee</td><td>750</td></tr> <tr><td>1002</td><td>330</td><td>2002</td><td>165</td><td>Design filing fee</td><td></td></tr> <tr><td>1003</td><td>520</td><td>2003</td><td>260</td><td>Plant filing fee</td><td></td></tr> <tr><td>1004</td><td>750</td><td>2004</td><td>375</td><td>Reissue filing fee</td><td></td></tr> <tr><td>1005</td><td>160</td><td>2005</td><td>80</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="5"><b>SUBTOTAL (1)</b></td><td><b>\$ 750</b></td></tr> </tbody> </table> <p><b>2. CLAIMS</b></p> <table style="width: 100%; font-size: x-small;"> <thead> <tr> <th></th> <th>Extra</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims    40 - 20 =</td> <td>20</td> <td>18</td> <td>360</td> </tr> <tr> <td>Ind. Claims       7 - 3 =</td> <td>4</td> <td>84</td> <td>336</td> </tr> <tr> <td>Multiple Dep. Claims    0</td> <td>0</td> <td>280</td> <td>0</td> </tr> </tbody> </table> <table style="width: 100%; font-size: x-small; margin-top: 5px;"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr><td>1202</td><td>18</td><td>2202</td><td>9</td><td>Claims in excess of 20</td><td></td></tr> <tr><td>1201</td><td>84</td><td>2201</td><td>42</td><td>Independent claims in excess of 3</td><td></td></tr> <tr><td>1203</td><td>280</td><td>2203</td><td>140</td><td>Multiple dependent claim</td><td></td></tr> <tr><td colspan="5"><b>SUBTOTAL (2)</b></td><td><b>\$ 696</b></td></tr> </tbody> </table> | Large Entity  |                | Small Entity |  | Fee Description | Fee Paid        | Fee Code | Fee (\$) | Fee Code | Fee (\$) | 1001     | 750  | 2001 | 375  | Utility filing fee | 750                                 | 1002 | 330  | 2002 | 165  | Design filing fee |  | 1003 | 520  | 2003 | 260  | Plant filing fee |                           | 1004 | 750  | 2004 | 375  | Reissue filing fee |  | 1005 | 160  | 2005 | 80   | Provisional filing fee |  | <b>SUBTOTAL (1)</b> |      |       |      |       | <b>\$ 750</b>                                       |  | Extra | Fee from below | Fee Paid | Total Claims    40 - 20 = | 20                                     | 18 | 360  | Ind. Claims       7 - 3 = | 4    | 84  | 336                                     | Multiple Dep. Claims    0 | 0    | 280 | 0    | Large Entity |  | Small Entity |      | Fee Description | Fee Paid | Fee Code | Fee (\$)                                | Fee Code | Fee (\$) | 1202 | 18   | 2202 | 9                                      | Claims in excess of 20 |      | 1201 | 84   | 2201 | 42               | Independent claims in excess of 3 |      | 1203 | 280  | 2203 | 140                                    | Multiple dependent claim |      | <b>SUBTOTAL (2)</b> |      |     |                          |  | <b>\$ 696</b> | <p><b>SUBTOTAL (3)</b>      <b>\$ 40</b></p> <p style="font-size: x-small;">*Reduced by Basic Filing Fee</p> |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| Large Entity  |   | Small Entity   |              | Fee Description  |                 |                 | Fee Paid |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| Fee Code  | Fee (\$)  | Fee Code       | Fee (\$)     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1001  | 750   | 2001           | 375          | Utility filing fee   | 750             |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1002  | 330   | 2002           | 165          | Design filing fee  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1003  | 520   | 2003           | 260          | Plant filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1004  | 750   | 2004           | 375          | Reissue filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1005  | 160   | 2005           | 80           | Provisional filing fee   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| <b>SUBTOTAL (1)</b>   |   |                |              |  | <b>\$ 750</b>   |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
|   | Extra   | Fee from below | Fee Paid     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| Total Claims    40 - 20 =   | 20  | 18             | 360          |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| Ind. Claims       7 - 3 =   | 4   | 84             | 336          |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| Multiple Dep. Claims    0   | 0   | 280            | 0            |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| Large Entity  |   | Small Entity   |              | Fee Description  | Fee Paid        |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| Fee Code  | Fee (\$)  | Fee Code       | Fee (\$)     |  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1202  | 18  | 2202           | 9            | Claims in excess of 20   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1201  | 84  | 2201           | 42           | Independent claims in excess of 3  |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| 1203  | 280   | 2203           | 140          | Multiple dependent claim   |                 |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |
| <b>SUBTOTAL (2)</b>   |   |                |              |  | <b>\$ 696</b>   |                 |          |          |          |          |          |      |      |      |                    |                                     |      |      |      |      |                   |  |      |      |      |      |                  |                           |      |      |      |      |                    |  |      |      |      |      |                        |  |                     |      |       |      |       |   |  |       |                |          |                           |  |    |      |                           |      |     |   |                           |      |     |      |              |  |              |      |                 |          |          |   |          |          |      |      |      |  |                        |      |      |      |      |                  |                                   |      |      |      |      |  |                          |      |                     |      |     |                          |  |               |  |      |      |   |  |      |     |      |    |                                  |  |      |      |      |     |                                    |  |      |      |      |     |                   |  |      |     |      |     |                  |  |      |     |      |     |                 |  |      |     |      |     |                               |  |      |    |      |    |   |  |      |     |      |     |   |  |      |    |      |    |  |    |      |     |      |     |   |  |      |     |      |     |  |  |

| SUBMITTED BY          |                  |              |  | Complete (if applicable) |        |
|-----------------------|------------------|--------------|--|--------------------------|--------|
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| Signature             |                  |              |  | Deposit Account User ID  |        |
|                       | Date             | Aug 19, 2003 |  |                          |        |

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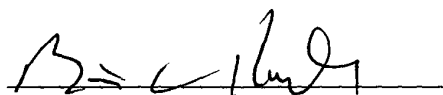
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I hereby certify that this patent application in the name of Jonathan D. Beard, Craig F. Schultz, and Douglas W. Todd for APPARATUS, SYSTEM AND METHOD FOR AUTHORIZED REMOTE ACCESS TO A TARGET SYSTEM, together with the drawings, a Declaration, Power of Attorney, and Petition, an Assignment and Recordation Form Cover Sheet, Information Disclosure Statement, and PTO Form 1449 are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above in an envelope addressed to Mail Stop Patent Application, Commissioner for Patents, Alexandria, VA 22313-1450.

Respectfully submitted,



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Date: August 19, 2003

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